

Figure 1 displays 15 small plots showing the relationship between various variables and the probability of a child being in a high-risk category. The variables on the x-axis include: Age, Sex, Ethnicity, Religion, Education, Income, Health, Family Size, Parental Education, Parental Income, Parental Health, Parental Family Size, Parental Religion, Parental Ethnicity, and Parental Sex. The y-axis for all plots is 'Probability of High Risk' ranging from 0.0 to 1.0. The plots show various trends, including linear relationships, step functions, and non-linear curves.



FIG. 2A

1 CCCTGTTGCA CGGCTTGGAG **ATGGCTGCTC** CCTCCGAACA CGTAGGACTG
51 GGTGCCCCAC GGAGCCCTGC GCGCCCAGAG CCCCCTCCCA CCCGCTTCCA
101 CCAAGTGCAT GGAGCCAACA TCCGCATGGA CCCCTCAGGA ACGCGAGCCA
151 CACGCGTGGA GAGTTTCGCC CACGGTGTGT GCTTCAGTCG TGAGCCCCTG
201 GCCCCCGGCC AGGTATTTCT AGTGGAAATT GAGGAAAAAG AGCTGGGCTG
251 GTGCGGGCAC CTACGTCTTG GCCTGACCGC TCTGGATCCC GCCAGTCTGG
301 CCGCTGTACC CGAGTTTTCA CTGCCTGACT TGGTCAGCCT TGGCCACAGT
351 TGGGTCTTCG CTATCACACG CCACCACAAC CGTGTGCCCC GGGAAGGTCA
401 ACCAGAAGCG GAGGCAGCGG TCCCCAGTGG TCCCCAAGCC CTACTGGTTG
451 AACCTATCT GCGCATCGAG CAGTTCCGAA TTCCCCGGGA CCGTCTGGTG
501 GGCCGCAGCC GGCCAGGGCT TTATAGCCAC CTCTTAGATC AGCTCTATGA
551 ACAAACGTG CTGCCTCCTA CAGCGCGCCG AAGCCGCTTG GGTGTTCTCT
601 TCTGCCCCCG TGAGGATGGG ACCGCCGACA TGCACATCAT CATCAACGGG
651 GAGGACATGG GCCCTAGCGC CCGGGGGCTG CCAGCTGCTC AGCCCCCTCTA
701 CGCTGTGGTA GATGTGTTTG CTTCCACCAA GAGCGTGCGT CTGGTCCAGC
751 TGGAGTATGG CTTGCCATCT CTGCAGACTC TGTGCCGACT AGTGATCCAG
801 AAGAGGGTGG TACACAGGCT GGCCATTGAT GTGCTCCACC TGCCCCAAGG
851 ACTGAAGGAC TTCTGCAAGT ACGAAT**GAAC** GAATGAACGC CTGTCTGTGG
901 CCACCAGAGC AAAGTCCCCG GTGGTGCGCC CTGCCTCTAG AGAAGTGGCT
951 AGTCTGAAGC TGGTCGCACA GCTCACAATC AGGGCTGGAA ATAAATAGAG
1001 CCGATGTGGA TGTTCTGAGA AAAAAAAAAA AAAAAA

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FIG. 2B

CCTGCCCTAT GGCCGAGAGA TGGCTGCTGC CTCCGAGCCC GTGGATTCCG GTGCACTCTG GGGACTCGAG
CGCCCCGAGC CCCCTCCAC CCGCTTCCAT CGGGTGCACG GTGCCAACAT CCGCGTGGAC CCTCTGGGA
CGCGGGCCAC ACGGTGGAG AGCTTCGCCC ACGGCGTGTG CTTACGCCG GAGCCGCTGG CCCCCGGCCA
GGTCTTCCTG GTCGAGATCG AGGAGAAAGA GCTGGGCTGG TCGGACATC TGCGTCTCG TCTGACCGCG
CTGGACCCCG CCAGTCTGGC CCCCCTTCCC GAGTTTCTC TGCCCGATCT GGTC AACCTG GGCCACACCT
GGGTCTTCG CATCAGCGC CACCACAACC GCGTGCCCCG GGAGGGCCG CCGGAGGCGG AGCAGCGGC
CCCCAGCCGA CCTCCAACC TCCTCGTGA ACCATATCTG CGCATAGAG AGTTTCGCAT TCCCCGGGAC
CGCCTGGTGG GCCGCAGCG GCCAGGGCTC TACAGCCATC TCTTGGACCA GCTCTATGAG CTGAACGTGC
TGCCCTCCGAC CGCGGCCGT AGCCGCCCTG GTGTCTCTT TTGCCCGCGC CCGATGGCA CGGCCGACAT
GCACATCATC ATCAACGGCG AGACATGGG CCCGAGCGC CGGGGACTGC CAGCTGGCA GCCCTCTAC
GCGGTGGTGG ACGTGTGTTGC TTCCACAAAG AGCGTGCGC TTGTCCAGCT CGAGTATGGC TTGCCATCCC
TGCAGACTCT GTGCCGCCCTA GTGATACAA GGAGCATGGT GCACCGGCTG GCCATTGATG GGCTCCACCT
GCCCAAAGAA CTTAAGGATT TCTGCAAGTA TGAGTGAAGA CCCACAGTGC ACCAGAGCAC AGCTGCATCC
TGGAGCCCCA GACCTGTGGC TGGCTGGTCC GAAGTTGGC ACATTGCTGC CAGCCAAGAC

FIG. 3A

Human:

Mouse:

80 %

80 %

75 %

la

distal promoter

AGCCATACTCGAGCTGGACAAGGCG.CACGCTCTTTGTGGAAGCAAACAC
 |||||
 AGCCATACTCCAGCTGGACCAGACGCCACGCTCTTGGTGAAGCAAACAC
 |||||
 GTCCACCACCGCGTAGAGGGGCTGCGCAGCTGGCAGTCCCCGGGCGCTCG
 |||||
 ATCTACCACAGCGTAGAGGGGCTGAGCAGCTGGCAGCCCCGGGCGCTAG
 |||||
 GRE
 GGCCCATGTCCTCGCCGTTGATGATGATGTGCATGTCGGCCGTGCCATCG
 |||||
 GGCCCATGTCCTCCCCGTTGATGATGATGTGCATGTCGGCGGTCCCATCC
 |||||
 AP-2
 GGGCGCGGGCAAAGAGGACACCCAGGCGGCTACGGCGCGCGGTCCGAGG
 |||||
 TCACGGGGGCAGAAGAGAACA~~CCCAAGCGG~~CTTCGGCGCGCTGTAGGAG
 |||||
 CAGCACGTTACGCTCATAGAGCTGGTCCAAGAGATGGCTGTAGAGCCCTG
 |||||
 CAGCACGTTTGTTCATAGAGCTGATCTAAGAGGTGGCTATAAAGCCCTG
 |||||
 TATA
 ..CCGCTGCGGCCCCACCAGGCGGTCCCGGGGAATGCGAACTGCTCAATG
 |||||
 GCGGGCTGCGGCCCCACCAGACGGTCCCGGGGAATTGGAAGTCTCGATG
 |||||
 CGCAGATATGGTTCCACGAGGAGGGTTGGAGGTGCGCTGGGGGCGCTGC
 |||||
 CGCAGATAGGGTTCAACCAGTAGGGCTTGGGGAACCTGGGGACCGCTGC
 |||||
 CT..GCCTCCGGGCGGCC.TCCCGGGGCACGCGTTGTGGTGGCGCGTGA
 |||||
 CTCGCTTCTGGTTGACCTTCCCGGGGCACACGGTTGTGGTGGCGTGTGA
 |||||
 TGGCGAAGACCCAGGTGTGGCCAGGTTGACCAAGATCGGGCAGAGAAAA
 |||||
 TAGCGAAGACCCAACTGTGGCCAAGGCTGACCAAG.TCAGGCAGTGAAAA
 |||||
 CTCGGGAACGGGGCCAGACTGGCGGGGTCCAGCGCGGTGAGACCGAGAC
 |||||
 CTCGGGTACAGCGGCCAGACTGGCGGGATCCAGAGCGGTGAGGCAAGAC

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FIG. 3B

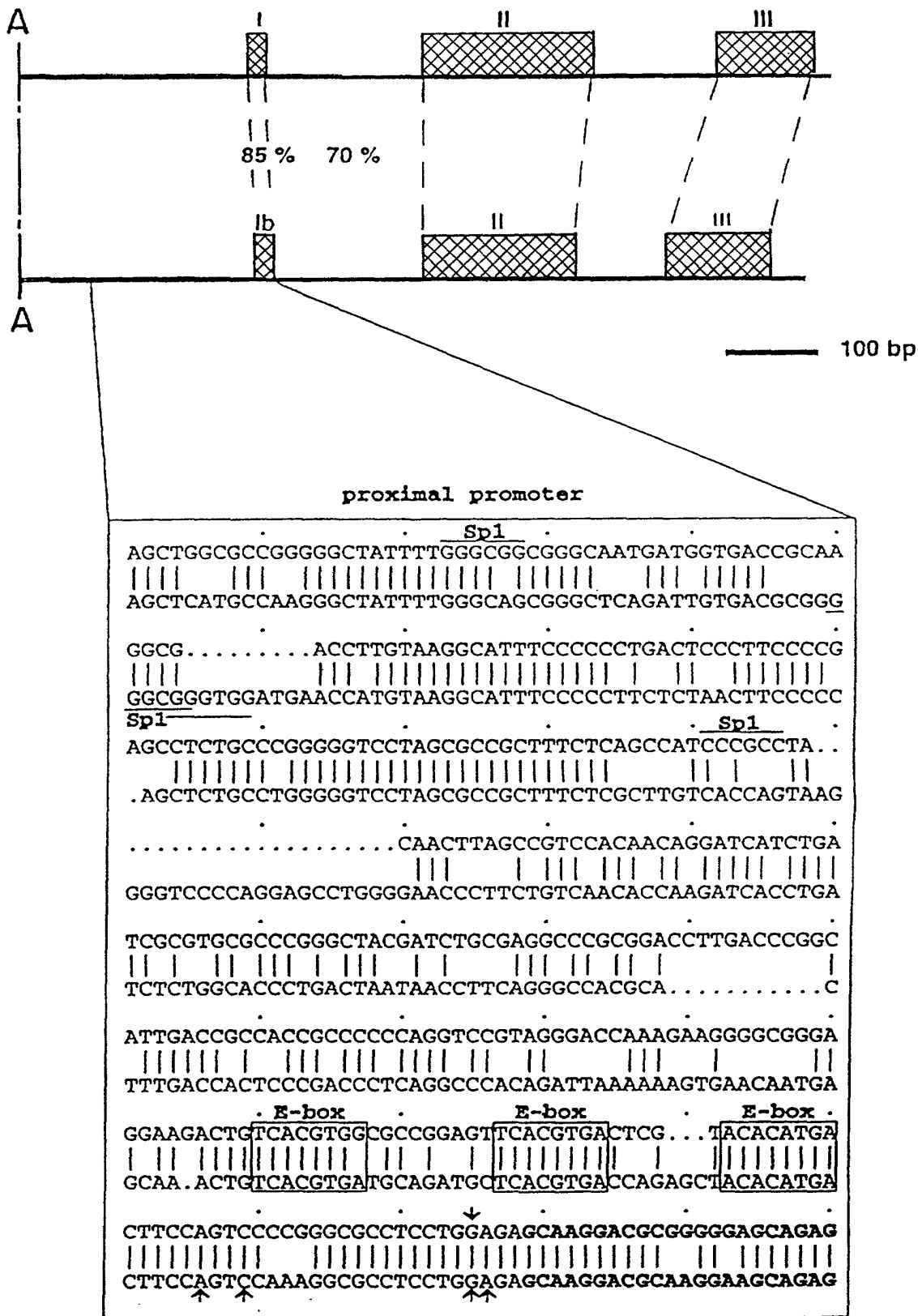


FIG. 4

SOCS - box (P/hxS/T/PLQH/YhCRxxhxxhx2-10hxxLPhPxxhxY/FLx1-3Y/F)

Casein kinase II -phosphorylation site

Tyrosine kinase - phosphorylation site

Protein kinase C-phosphorylation site

BC - box (T/SL/MxxxC/SxxxV/L/I)

human: 1	MAAASEPVDSGALWGLERPEPPPTRFHVRVHGANIRVDPSGTRATRVEFAHGVCFSREPL	60
mouse: 1	MAA SE V GA RPEPPPTRFH+VHGANIR+DPSGTRATRVFSAHGVCFSREPL	60
human: 61	MAAPSEHVGLGAPRSPARPEPPPTRFHQVHGANIRMDPSGTRATRVEFAHGVCFSREPL	60
mouse: 61	MAAPSEHVGLGAPRSPARPEPPPTRFHQVHGANIRMDPSGTRATRVEFAHGVCFSREPL	60
human: 120	APGQVFLVEIEEKEKGWCGHLRLGLTALDPASLAPVPEFSLPDLVNLGHTWVFAITRHHN	120
mouse: 120	APGQVFLVEIEEKEKGWCGHLRLGLTALDPASLA VPEFSLPDLVNLGHTWVFAITRHHN	120
human: 180	RVPREGRPEAAAPSRPPTLLVEPYLRIEQFRI PRDRLVGRSRPGLYSHLLDQLYELNV	180
mouse: 180	RVPREG+PEAEAA PS P LLVEPYLRIEQFRI PRDRLVGRSRPGLYSHLLDQLYELNV	180
human: 240	RVPREGQPEAEAAVPSGPQALLVEPYLRIEQFRI PRDRLVGRSRPGLYSHLLDQLYELNV	240
mouse: 240	RVPREGQPEAEAAVPSGPQALLVEPYLRIEQFRI PRDRLVGRSRPGLYSHLLDQLYELNV	240
human: 181	LPPTARRSRLGVLCFPRPDGTADMHIIINGEDMGPSARGLPAAQPLYAVVDVFASTKSVR	240
mouse: 181	LPPTARRSRLGVLCFPRPDGTADMHIIINGEDMGPSARGLPAAQPLYAVVDVFASTKSVR	240
human: 241	LVQLEYGLPSQTLCRLVIQ+ +VHRLAID LHLPK LKDECKYE	285
mouse: 241	LVQLEYGLPSQTLCRLVIQ+ +VHRLAID LHLPK LKDECKYE	285

FIG. 5

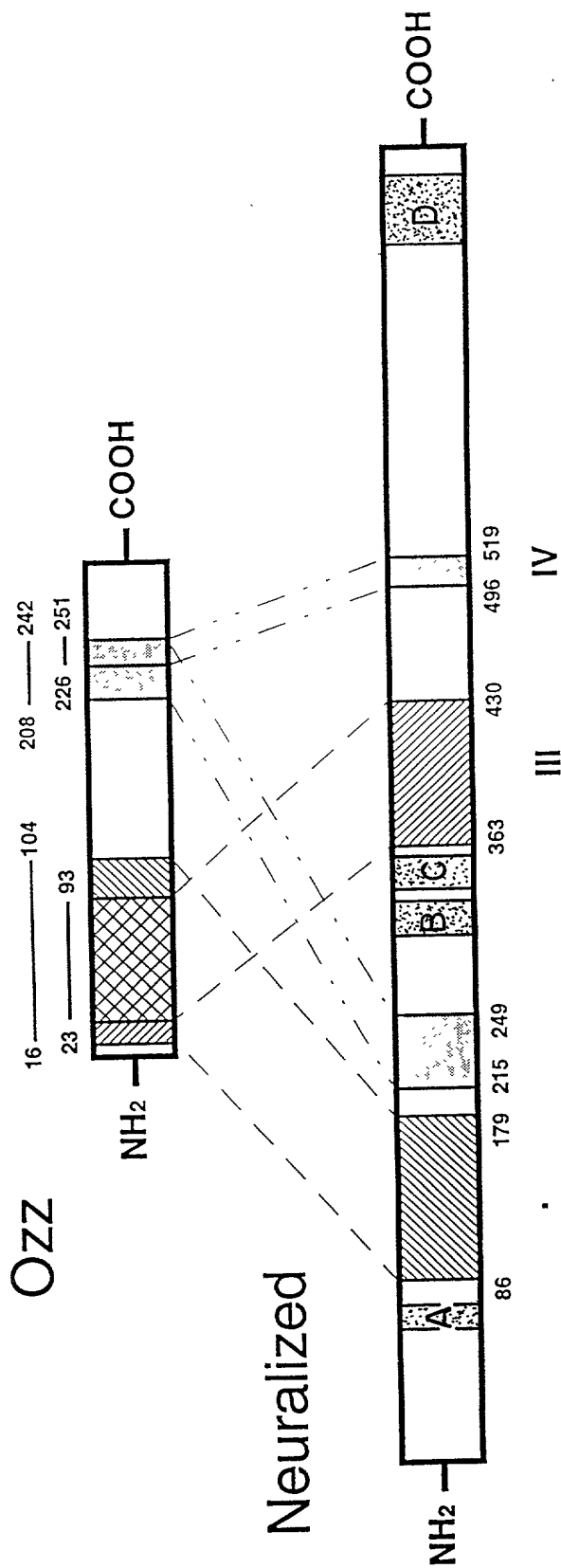


FIG. 6

I	Ozz	R	S	P	A	R	P	P	T	R	Q	F	H	Q	V	H	G	A	N	I	R	M	D	P	S	G	T	R	A						
	Neu	R	S	P	S	C	P	P	L	Q	F	H	T	V	H	G	D	N	I	R	I	S	R	D	G	T	L	A							
	Ozz	T	R	V	E	S	F	A	H	G	V	C	F	S	R	E	P	L	A	P	G	Q	V	F	L	V	E	I	E	K	E	L			
	Neu	R	R	F	E	S	F	C	R	A	I	T	F	S	A	R	P	V	R	I	N	E	R	I	C	V	K	F	A	E	I	S	N		
	Ozz	G	W	C	G	H	L	R	L	F	G	L	T	A	L	D	P	A	S	L	A	A	V	P	E	F	S	L	P	D	L				
	Neu	N	W	N	G	I	R	F	G	I	R	T	S	N	D	P	A	S	L	E	G	A	L	P	K	A	L	P	R	D	L				
II	Ozz	L	Y	A	V	W	D	V	F	A	S	T	K	S	V	R	L	V	Q	L	E	Y	G	L	P	S	L								
	Neu	L	W	A	F	L	D	V	Y	G	S	T	Q	S	L	R	M	F	R	Q	Q	L	P	P	N	M									
III	Ozz	P	T	R	F	H	Q	V	H	G	A	N	I	R	M	D	P	S	G	T	R	A	T	R	V	E	S	F	A	H	G	V			
	Neu	P	V	P	F	H	I	T	K	G	R	N	V	R	L	S	H	D	R	F	V	A	S	R	T	E	S	D	F	C	Q	G	Y		
	Ozz	C	F	S	R	E	P	L	A	P	G	V	F	L	V	E	I	E	E	K	E	L	G	W	C	G	H	L	R	A	L	G	L	T	
	Neu	V	F	T	A	R	P	I	R	I	G	K	L	V	Q	V	L	K	T	E	Q	M	Y	V	G	A	L	R	A	L	G	L	T		
	Ozz	A	L	D	P	A	S	L																											
	Neu	S	C	N	P	A	L	L																											
IV	Ozz	I	N	G	E	D	M	G	P	S	A	R	G	L	P	A	A	Q	P	L	Y	A	V	D	V	F	A	S	T	K	S	V	R	L	V
	Neu	I	N	G	E	E	K	G	V	I	L	S	G	L	D	T	R	G	L	L	W	T	V	D	V	F	A	S	T	K	S	V	R	L	V

FIG. 7

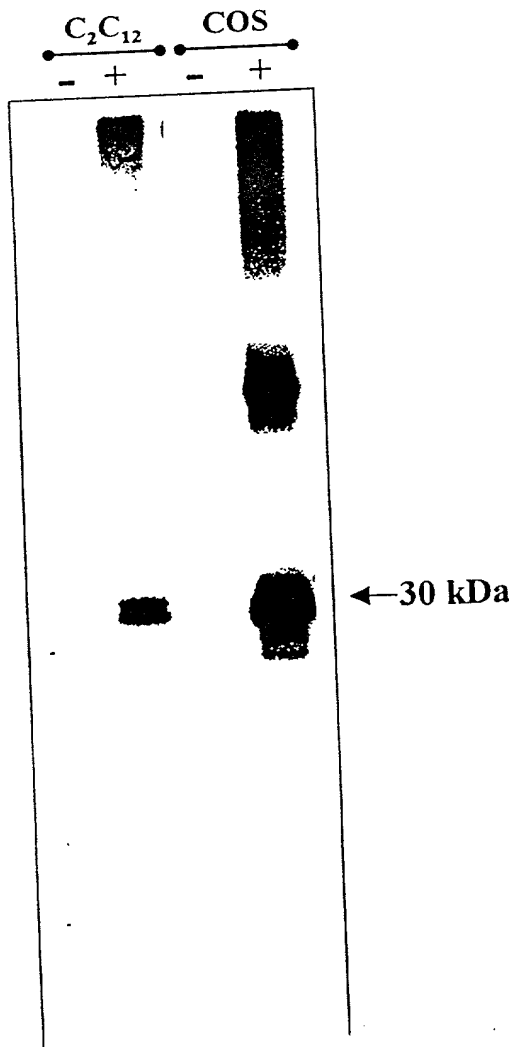
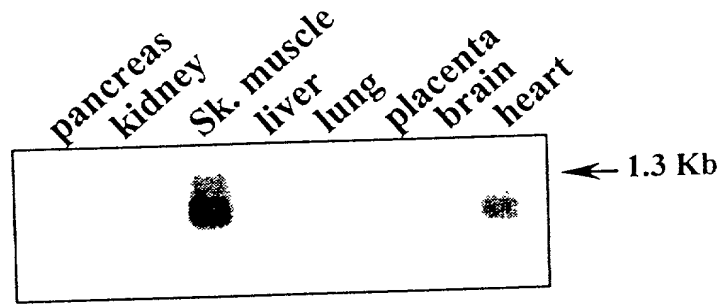


FIG. 8

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